



Thinvent Neo H Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

64GB DDR4 RAM

1TB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: H-I3_13-64-M1024-12_5-M-THINUX-0



Unleash Industrial Power in a Compact Form: The Thinvent® Neo H Mini PC.

Experience the pinnacle of performance with the Thinvent® Neo H Mini PC, the High Performance version of our bestselling Neo model. This industrial workhorse, 100% designed and made in India, boasts a solid steel build, making it our largest and most robust product, perfect for industrial control and demanding applications.

Unrivaled Performance

Powered by an Intel® Core™ i3-1315U processor with 6 cores reaching up to 4.5 GHz and 10 MB cache, the Neo H delivers exceptional processing power. Coupled with 8GB DDR4 RAM and a lightning-fast 1TB SSD, it ensures seamless multitasking and rapid data access for critical operations.

Comprehensive Connectivity

Stay connected with versatile options

- Dual Band Wi-Fi 5 (802.11ac)
- Gigabit Ethernet (1000 Mbps)
- 2x USB 3.2 ports
- 2x USB 2.0 ports
- HDMI and VGA outputs for dual display support
- Speaker Out and Mic In

Secure & Smart Operating System

Run on Thinvent® Thinux™ Embedded Linux, tailored for efficiency and security

- Built-in Chromium and Mozilla Firefox browsers
- Advanced remote display with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH
- Browser-based remote management and VNC shadowing
- Support for Java, Python, and glibc based location applications
- LibreOffice and PDF viewer for productivity
- Multimedia player with MPEG4 support
- SIP video and voice over IP

Built for Durability

The Neo H features a robust black powder-coated steel housing, designed for resilience. It operates reliably in challenging environments (0°C ~ 40°C, 20% ~ 80% RH) and comes with BIS, RoHS, and ISO certifications, ensuring quality and safety. Its efficient 12V 7A adapter with a 2-metre cable and wide AC input range (100~275V) ensures stable power.

Compact & Powerful

With dimensions of 210mm × 202mm × 80mm, this mini PC packs maximum power into a minimal footprint.

Thinvent Neo H Mini PC



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1315U |
| Cores | 6 |
| Max Frequency | 4.5 GHz |
| Cache | 10 MB |
| Main Memory | 64 GB |
| SSD Storage | 1024 GB |

DISPLAY

| | |
|------|---|
| HDMI | 1 |
| VGA | 1 |

AUDIO

| | |
|-------------|---|
| Speaker Out | 1 |
| Mic In | 1 |

CONNECTIVITY

| | |
|---------|---|
| USB 3.2 | 2 |
| USB 2.0 | 2 |

NETWORKING

| | |
|---------------------|-------------------------------|
| Ethernet | 1000 Mbps |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

POWER

| | |
|--------------|--|
| DC Voltage | 12 Volts |
| DC Current | 5 Amps |
| Power Input | 100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 2 Metre |

ENVIRONMENTAL

| | |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 40°C |
| Operating Humidity | 20% ~ 80% RH, non condensing |
| Certifications | BIS, RoHS, ISO |

PHYSICAL

| | |
|----------------------|-----------------------|
| Form Factor | Mini PC |
| Dimensions | 210mm × 202mm × 80mm |
| Packing Dimensions | 340mm × 235mm × 105mm |
| Housing Material | Steel |
| Housing Finish | Powder Coated |
| Housing Colour | Black |
| Net and Gross Weight | 1.62kg, 2.04kg |

OPERATING SYSTEM

| | |
|------------------|--|
| Operating System | Thinvent® Thinux™ Embedded Linux |
| OS Features | Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP. |

Ordering Information

| PRODUCT CODE | |
|---|--|
| H-i3_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] | |
| RAM | 4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4 |
| SSD | m128 = 128GB m256 = 256GB m32 = 32GB m512 = 512GB m1024 = 1TB S32 = 32GB MLC S128 = 128GB S256 = 256GB |
| Wireless | m = Dual Band WiFi X = No WiFi |
| OS | DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro Thinux = Thinux™ Embedded Linux U = Ubuntu Linux |
| Accessories | 0 = None KM = Keyboard and Mouse set 1S = DB9 Serial MK = Mechanical Keyboard Mo = Wired Optical Scroll Mouse |

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